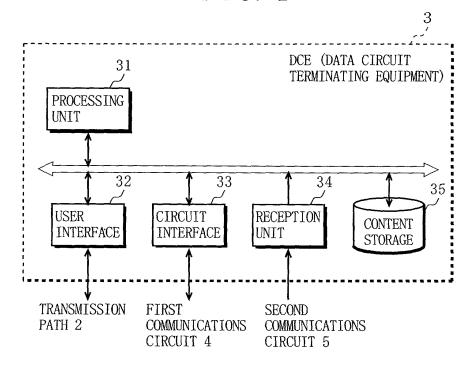
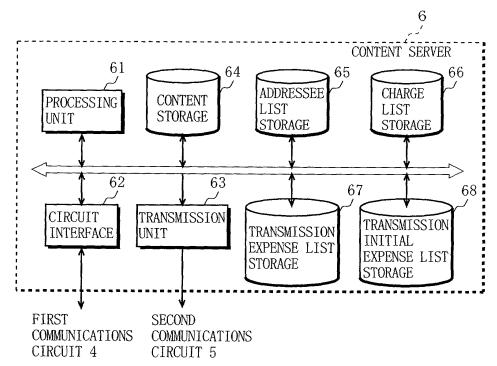


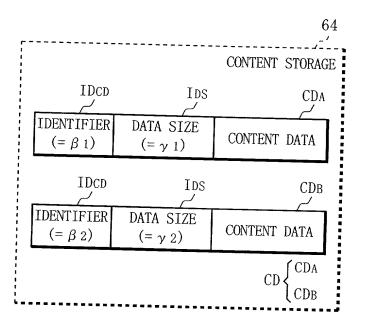
F I G. 2



F I G. 3



F I G. 4



F I G. 5

9

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T STORAGE			VIR11	brace	brace UR13	$UR_1 \left\{ \begin{array}{l} UR_{11} \\ UR_{12} \\ UR_{13} \end{array} \right.$
, ; , , , , , , , , , , , , , , , , , ,	ADDRESSEE LIST STORAGE		TRANSMISSION IDENTIFIER COMMUNICATIONS EXPENSE TC IDUSER CIRCUIT FLAG FCIR				URI
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			IDENTIFIER IDUSER	α 2- α 500 (499 IDENTIFIERS IDUSER IN TOTAL)	α θ	α 10 •	
! ! ! ! !			TRANSMISSION EXPENSE TC	¥450	¥480	¥530	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			TIME LIMIT LT	FEBRUARY 17 18:00	FEBRUARY 16 20:00	FEBRUARY 14 19:00	
; ; ; ; ; ; ;	LDEST	LIST	IDENTIFIER IDCD	β1	β1	β 1	
; ; ; ; ; ;		ADDRESSEE LIST	DL IDENTIFIER CONDITION IDCD NUMBER NOL	П	23	3	

F I G. 6

		66
		HARGE LIST TORAGE
CHARGE LIS	T	
IDENTIFIER IDUSER	CHARGE INFORMA IPAY	TION
α1	¥1500	
•	•	
:	:	
•	•	

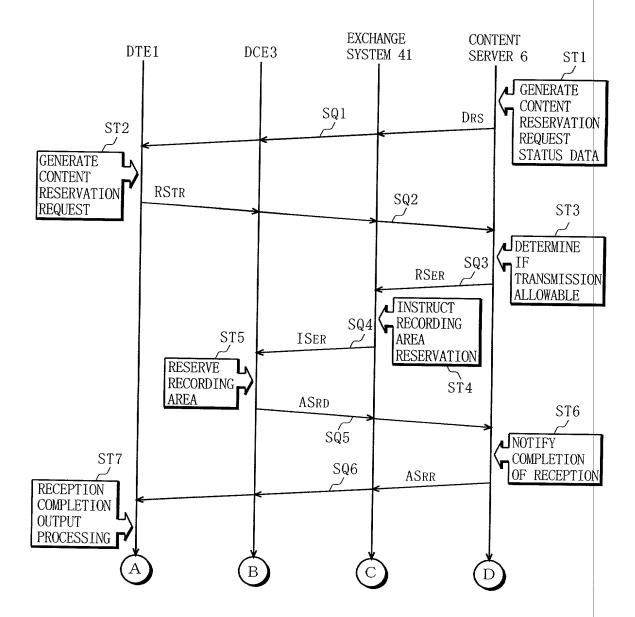
F I G. 7

TRANSMISSION EXPENS LTC LIST STORAGE				
TRANSMISSION EXPENSE LIST				
THE NUMBER OF USERS NUSER	TRANSMISSION EXPENSE TC			
500≦NUSER5	TC5=(¥400)			
100≦Nuser4<500	TC4=(¥450)			
50≦NUSER3<100	TC3=(¥480)			
20≦Nuser2<50	TC2=(¥530)			
Nuser1<20	TC1=(¥550)			

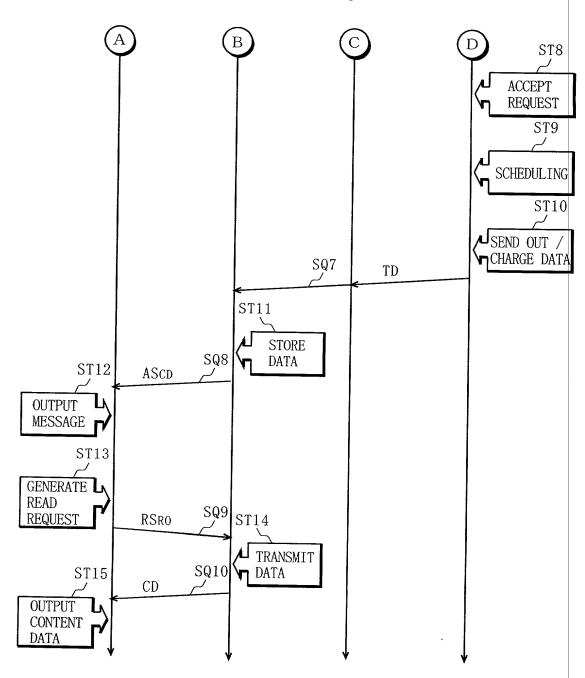
F I G. 8

68 TRANSMISSION INITIAL EXPENSE LIST STORAGE LITC TRANSMISSION INITIAL EXPENSE LIST TIME MARGIN TRANSMISSION INITIAL EXPENSE ITC TM168≦TM5 ITC5 = (¥400)72\(\frac{168}{2}\) ITC4 = (\$450)24\(\secondord{TM3}<72\) ITC3 = (\$480)ITC2=(¥530) 12≦TM2<24 $\text{TM1}{<}12$ ITC1=(¥550)

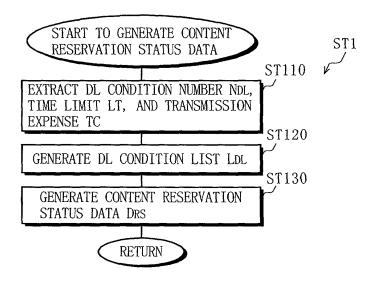
F I G. 9



F I G. 10



F I G. 11



F I G. 12

DL CONDITION NUMBER NDL	TIME LIMIT LT	TRANSMISSION EXPENCE TC	
1	FEBRUARY 17 18:00	¥450	
2	FEBRUARY 16 20:00	¥480	}LDL2
3	FEBRUARY 14 19:00	¥530	}LDL3
CONTENT I CONTENT I	DATA CDB	Lı	LDL1 LDL2 LDL3

FIG.	13 a	IDSER	ver IDus	SER	NDL /	RSTR
IDENTIFII (FOR CONT RESERVAT		IDENTIFIER (ADDRESSEE)	IDENTIFIER (ADDRESSER)		TION	
FIG. TDENTIFIE (FOR CONT	IDTR ER	IDSER	ver IDus IDENTIFIER		OCD L ER TIME	'
RESERVATI	ION REQUEST)	(ADDRESSEE)	(ADDRESSER) IDUSER	<u> </u>	LIMI'	_1
IDENTIF (FOR AF	FIER REA RESERVE I		DENTIFIER DDRESSEE)	DATA SIZE		
FIG.	13d IDIER		I Duser ر	IDS ر	ISE	R
IDENTIFIE (FOR AREA	ER A RESERVE IN		ENTIFIER DDRESSEE)	DATA SIZE	V	
`IG.	13e		IDUSER	r IDserv	ER AS	SRD '
IDENTIFII (FOR POS.	ER ITIVE ACKNOW		DENTIFIER ADDRESSER)			
FIG.	13 f		IDs	SERVER	IDUSER ر	ASRR
IDENTIFIE (FOR RECE	ER EPTION COMPL	ETION NOTICE	IDENTIFIE (ADDRESSE			V
IG.	13g IDTD	I Do	CD	I Duser س	IDSEF	RVER CD T
IDENTIFIE (FOR TRAN	ER NSMISSION DA	IDENTIFIE (FOR CONT		FIER IDEN	NTIFIER DRESSER)	

FIG. 14

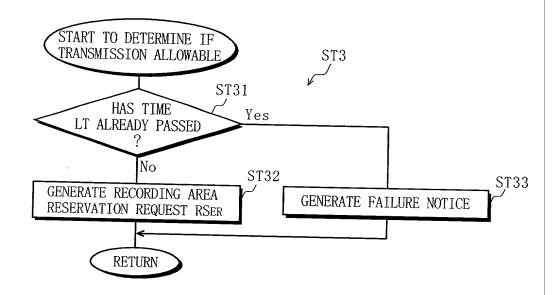
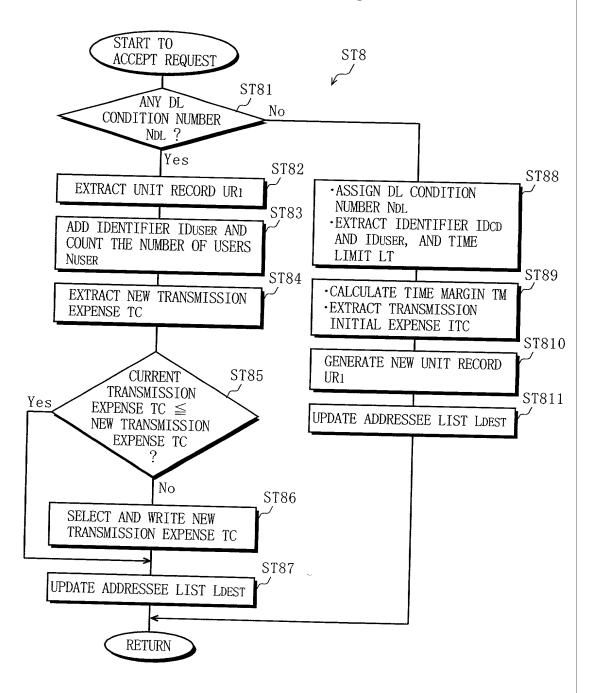


FIG. 15



F I G. 16a

UR11 کر

DL CONDITION NUMBER NDL	IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC		COMMUNICATIONS CIRCUIT FLAG FCIR
1	β1	FEBRUARY 17 18:00	¥450	α 2- α 500 499 IDENTIFIERS IDUSER IN TOTAL	

F I G. 16b

UR11

DL CONDITION NUMBER NDL	1DCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC		COMMUNICATIONS CIRCUIT FLAG FCIR
1	β1	FEBRUARY 17 18:00		α 1- α 500 500 IDENTIFIERS IDUSER IN TOTAL	

F I G. 16 c

UR14 کر

DL CONDITION NUMBER NDL	1DCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC		COMMUNICATIONS CIRCUIT FLAG FCIR
4	β1	FEBRUARY 15 20:00	¥480	α 1	

F I G. 17

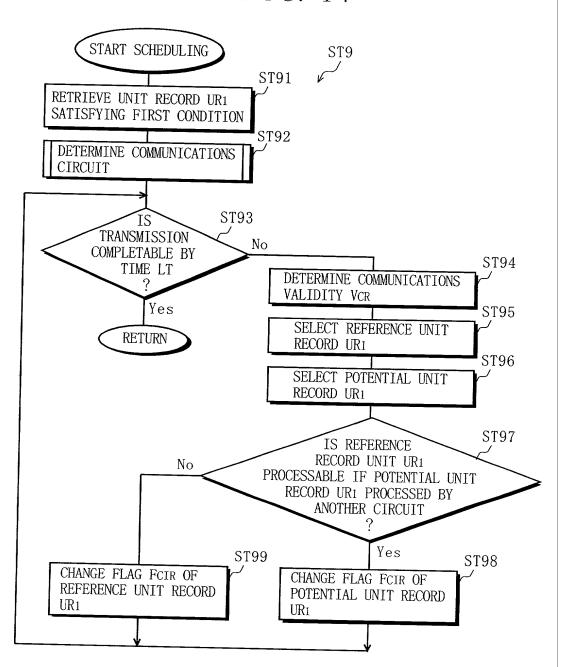
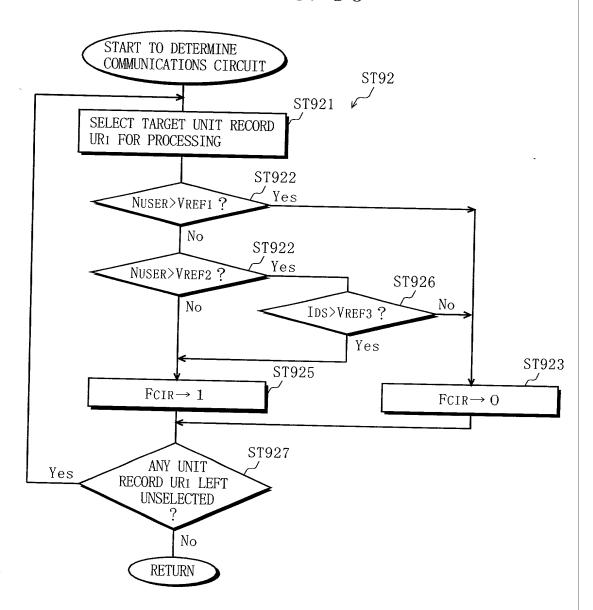


FIG. 18



F I G. 19a

UR11 کر

DL CONDITION NUMBER NDL	IDCD	TIME LIMIT LT	TRANSMISSION EXPENSE TC		COMMUNICATIONS CIRCUIT FLAG FCIR
1	β 1	FEBRUARY 17 18:00	¥400	α 1- α 500 (500 IDENTIFIERS IDUSER IN TOTAL)	0

FIG. 19b

UR12

DL CONDITION NUMBER NDL	IDENTIFIER IDCD		TRANSMISSION EXPENSE TC		COMMUNICATIONS CIRCUIT FLAG FCIR
2	β1	FEBRUARY 16 20:00	¥480	α6 •	1

F I G. 20a

	UNIT RECORD UR1	COMMUNICATIONS VALIDITY VCR	
	UR1i	VCRi (=80)	
	UR1j	VCRj(=40)	1
	UR1k	VCRk (=50)	
{	UR11	VCR1 (=20)	
	UR1m	VCRm (=70)	,
	UR1 i	UR1 j	UR1k UR11 UR1m
		NIT UNI' ECORD RECO	
-	ETi	LTi ETj LTj	LTk ETk LT1 ET1 ETm LTm > t

FIG. 20b

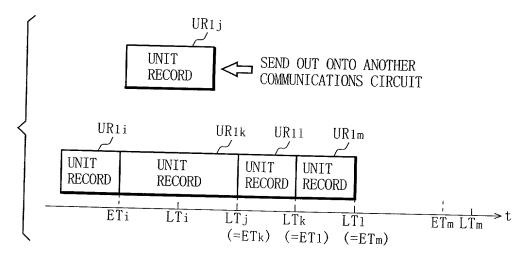


FIG. 21

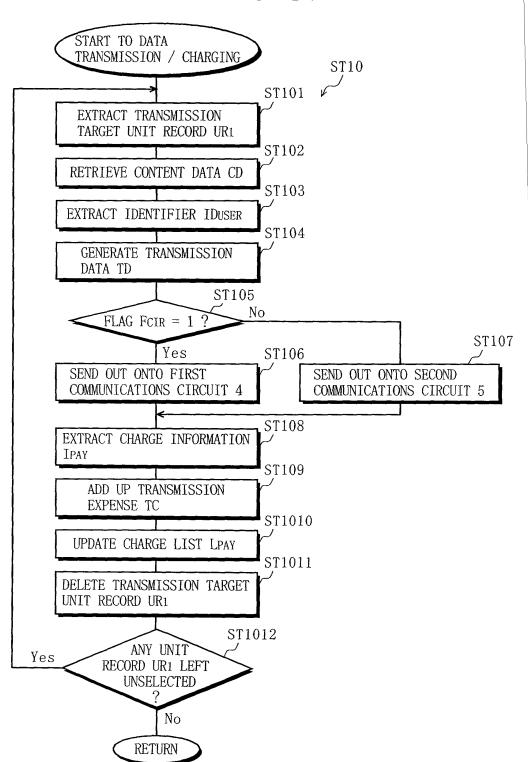


FIG. 22

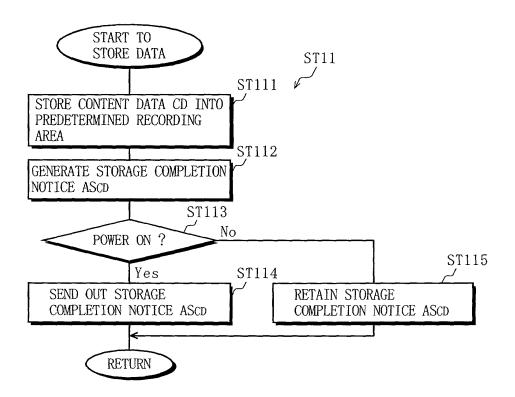


FIG. 23a

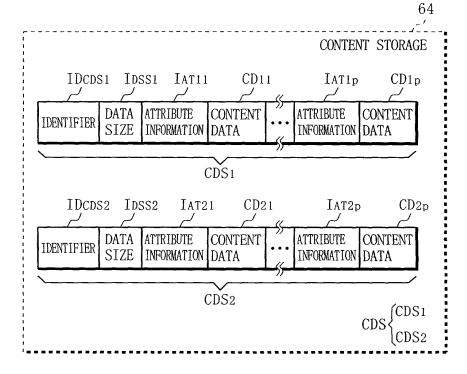


FIG. 23b

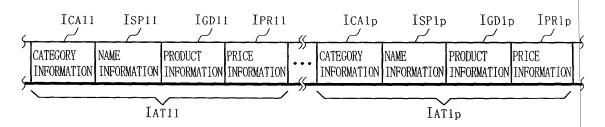


FIG. 23c

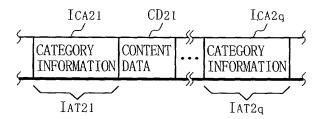


FIG. 24

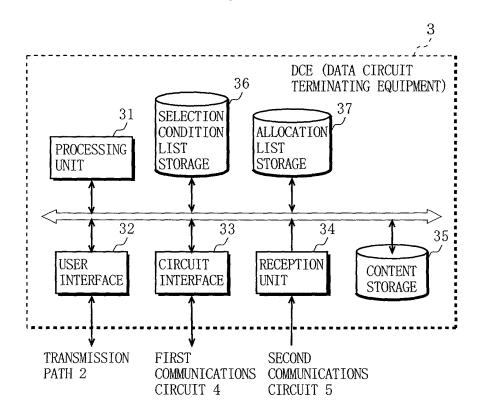
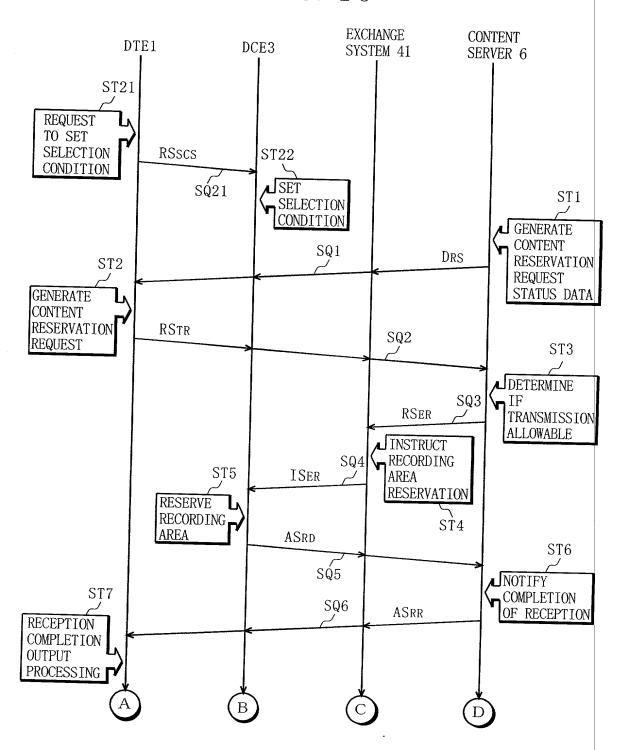


FIG. 25



ST8 ACCEPT REQUEST ST9 SCHEDULING ST10 SEND OUT / CHARGE DATA SQ7 TD STį1' STORE SQ8 DATA ST12 ASCD ST23 OUTPUT MESSAGE | DELETE DATA ST13 GENERATE READ SQ9 REQUEST ST14' **RSRO** TRANSMIT DATA SQ10 ST15 CDOUTPUT CONTENT DATA

FIG. 26

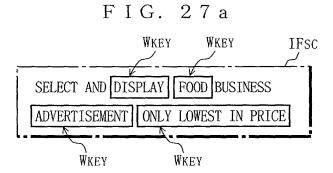


FIG. 27b

36 SELECTION CONDITION LIST STORAGE Lsc SELECTION CONDITION LIST **SELECTION** CONDITION NUMBER SELECTION CONDITION SC NSC SELECT FOOD BUSINESS SELECTION ADVERTISEMENT ONLY LOWEST CONDITION No. 1 IN PRICE **SELECTION** NOT SELECT REAL-ESTATE CONDITION No. 2 BUSINESS ADVERTISEMENT SELECT ALL ELECTRIC SELECTION CONDITION No. 3 APPLIANCES ADVERTISEMENT NOT SELECT ENTERTAINMENT SELECTION CONDITION No. 4 **NEWS** SELECTION SELECT ALL NEWS, ENTERTAINMENT EXCLUSIVE CONDITION No. 5

FIG. 28

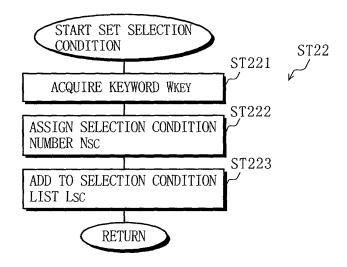


FIG. 29

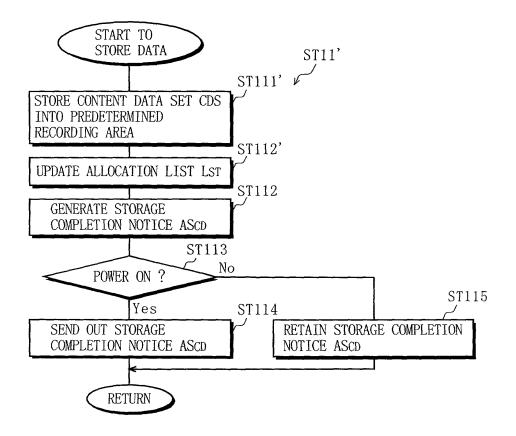
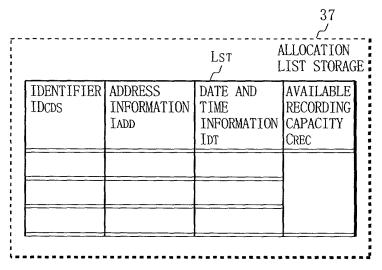


FIG. 30



F I G. 31

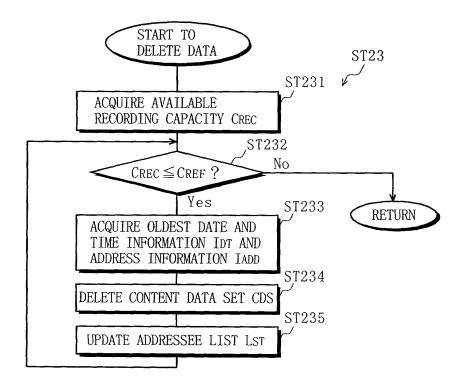
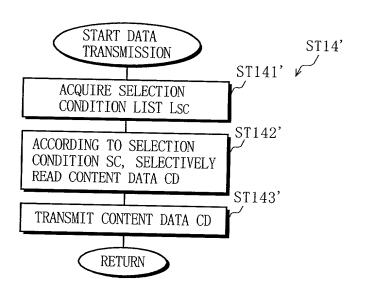


FIG. 32



CONTENT STORAGE CDS1 ICA13 ICB13 ICA14 ICA14 ICA14 ICA14 ICA14 CD13 CD13 CD14 CD14	
CONTEAL ESTATE BUSINESS II XY REAL ESTATE II XY REAL ESTATE II ¥30,000,000 C CONTENT DATA ZZ REAL ESTATE I ZZ REAL ESTATE NEWLY BUILT HOUSE I ¥20,000,000 C CONTENT DATA	CDS2
FOOD BUSINESS ISP12 YY SUPER MARKET IGD12 WHITE RADISH IPR12 # 150 CONTENT DATA	SECONTENT DATA CONTENT DATA SPORTS CONTENT DATA CONTENT DATA
CONTENT DATA SET IDENTIFIER DATA SIZE FOOD BUSINESS XX SUPER MARKET WHITE RADISH FOOD CONTENT DATA CONTENT DATA	CONTENT DATA SET IDENTIFIER IDSS2 DATA SIZE ENTERTAINMENT CONTENT DATA

FIG. 33

FIG. 34

